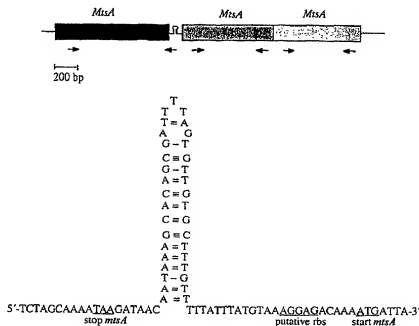




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : C12N 15/31, C07K 14/315, A61K 39/09, C12N 15/63, C07K 16/12		A1	(11) International Publication Number: WO 00/40729
		(43) International Publication Date: 13 July 2000 (13.07.00)	
(21) International Application Number: PCT/GB99/04445		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: 30 December 1999 (30.12.99)		Published With international search report.	
(30) Priority Data: 9828880.6 31 December 1998 (31.12.98) GB			
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(54) Title: STREPTOCOCCAL ABC TRANSPORTER PROTEIN



(57) Abstract

A polypeptide suitable for use in vaccination against Streptococcal infections comprises: a) the amino acid sequence of SEQ ID No 1; b) a variant of (a) which is capable of binding an anti-MsaA antibody; or (c) a fragment of (a) or (b) of at least 6 amino acids in length which is capable of binding an anti-MsaA antibody. A vaccine composition comprises: a) the amino acid sequence of SEQ ID No 1; b) a variant of (a) which is capable of generating an immune response to a Streptococcal; or (c) a fragment of (a) or (b) of at least 6 amino acids in length which is capable of generating an immune response against a Streptococcus.